User's Manual

X-POS855A

Copyrights

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Liability Disclaimer

In no event will the manufacturer be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use the product or documentation, even if advised of the possibility of such damages.

Regulatory Information

FCC Notices

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Increase the separation between the equipment and the receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio or television technician for help.

This device complies with Part 15 (A) of the FCC Rules. Operation is subject to the following two conditions:

1) this device may not cause harmful interference and

2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS DEVICE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE DEVICE.

CE Notice

This device complies with **EMC Directive 2004/108/EC** issued by the Commission of the European Community.

WEEE Notice

The **WEEE** mark applies only to countries within the European Union (EU) and Norway.
This appliance is labeled in accordance with **European Directive 2002/96/EC** concerning **waste electrical and electronic equipment** (**WEEE**). The Directive determines the framework for the return and recycling of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.

RoHS Notice

RoHS

This device is full compliance with EU Directive 2002/95/EC (the RoHS Directive) that restricts the use of the hazardous sub stanceslisted below in electrical and electronic equipment.

Safety Statement for Lithium Battery

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

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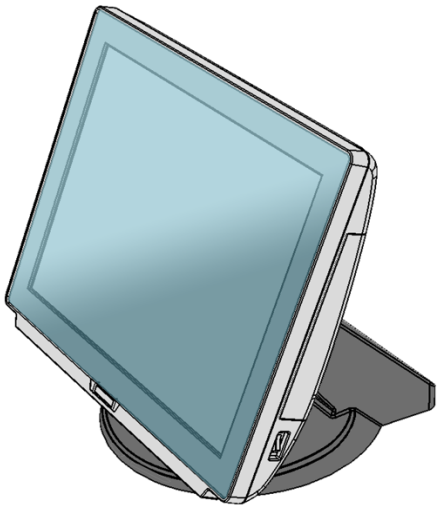
1.

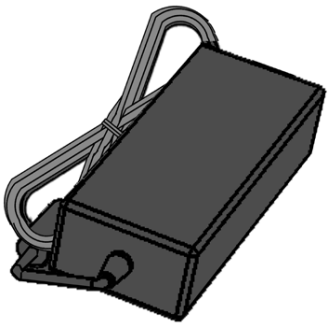
Hardware Setup

1.1. Packing Contents

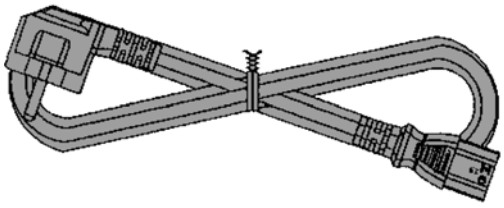
1. Device X 1



2. Power Adapter X 1

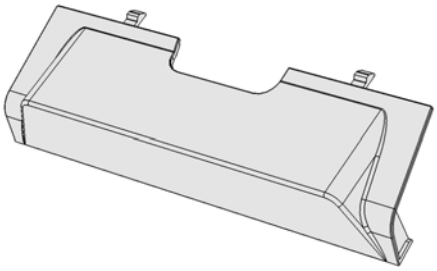


3. Power Cord X 1



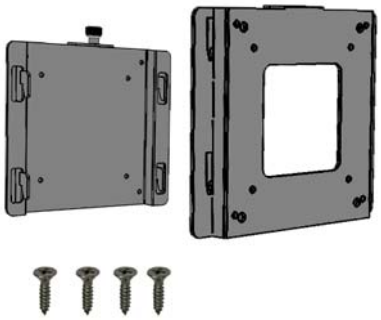
4. RJ50 to DB9 COM port adapter cable X 1

5. IO Panel Cover X 1



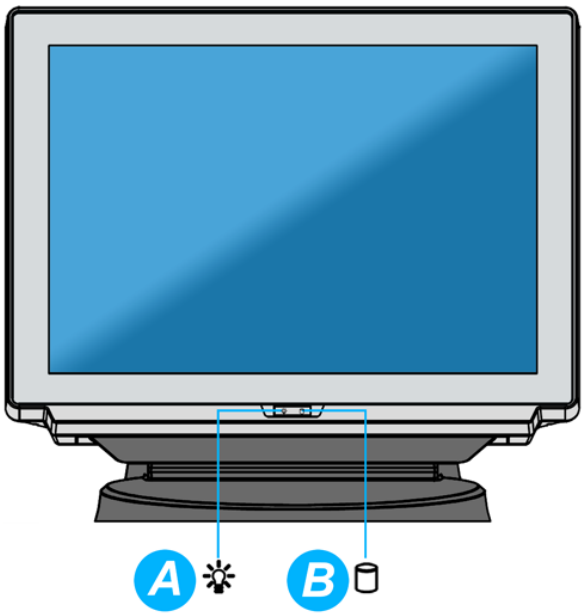
6. Drive and Utility DVD X 1

7. Wall mount kit (X-PPC855 only)



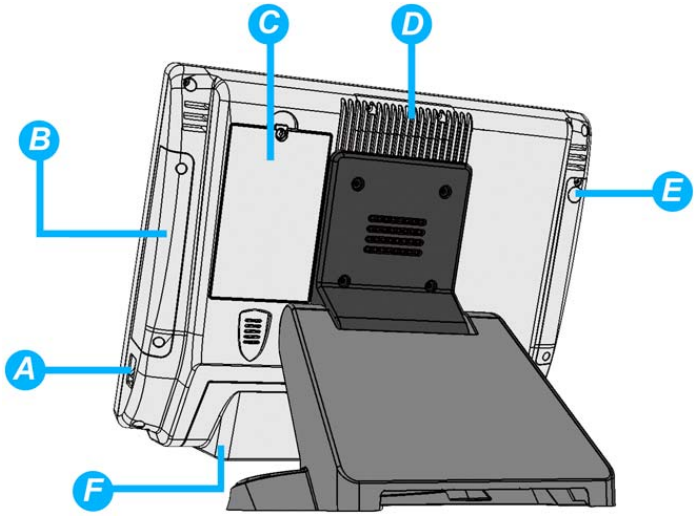
1.2. Quick Tour

Front View and Side View

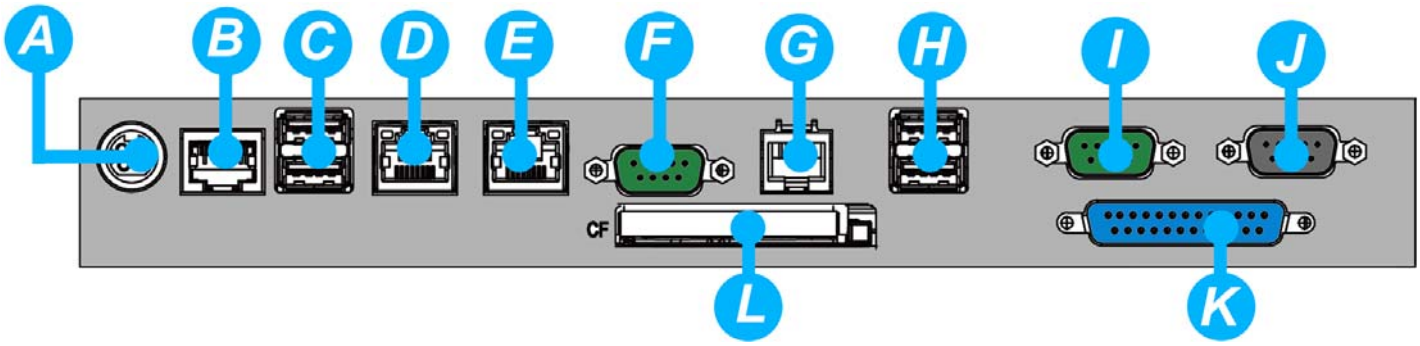


LED Indicator

A.		The **Power** indicator will glow green when power is on.
B.		The **HDD** indicator will blink green when the HDD is accessed.



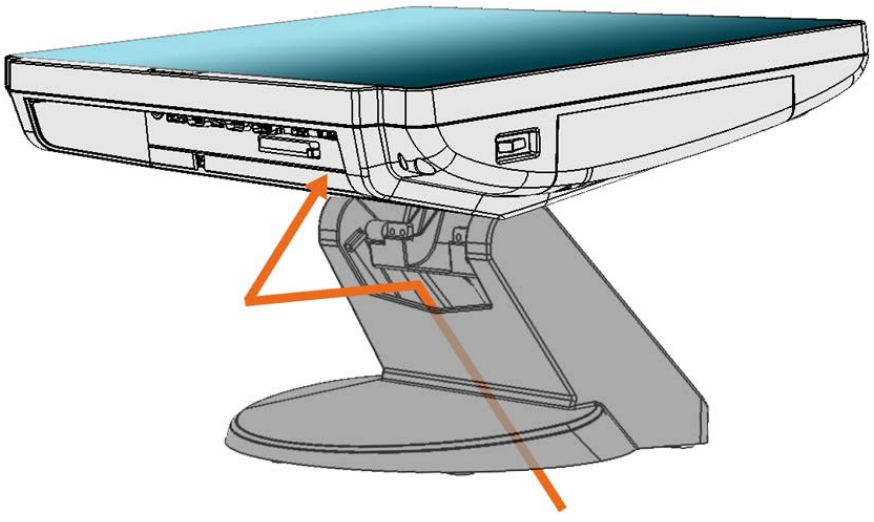
A.	Power switch	***D.***	Customer Display mounting hole cover
B.	MSR cover	***E.***	Wi-Fi antenna mounting hole
C.	HDD tray	***F.***	I/O cover



A.	DC-in jack	***G.***	Cash Drawer port
B.	RJ50 port for COM2	***H.***	USB 3/4 port
C.	USB 1/2 port	***I.***	COM 3 port
D.	LAN 1 port	***J.***	VGA port
E.	LAN 2 port	***K.***	Parallel port
F.	COM 1 port	***L.***	CF card slot

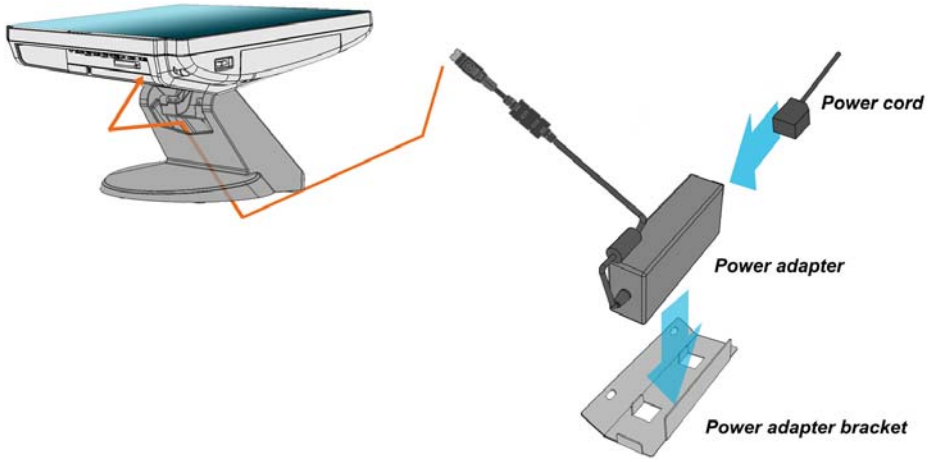
1.3. Basic Peripherals Installation

1. All cables and wires from peripherals to the POS device are recommended to be fed through the base in the direction as shown below.

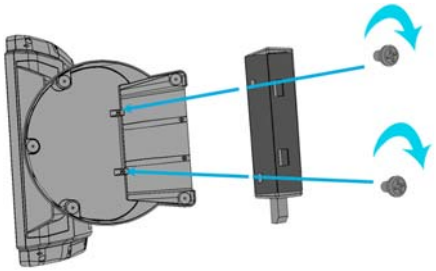


Power Adapter

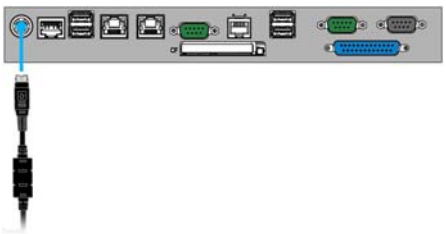
1. Assembly the power adapter to the power adapter bracket, and feed the DC connecter through the base.



2. Install the adapter bracket onto the POS device by tightening two screwsas shown.

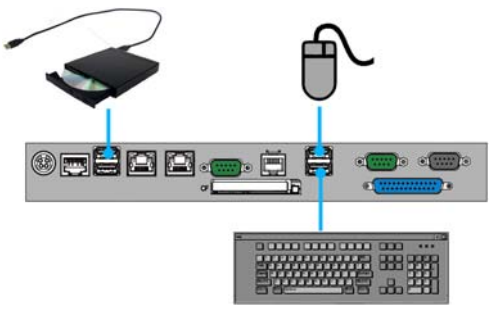


3. Connect the DC connector of the power adapter to the **DC-in** jack.



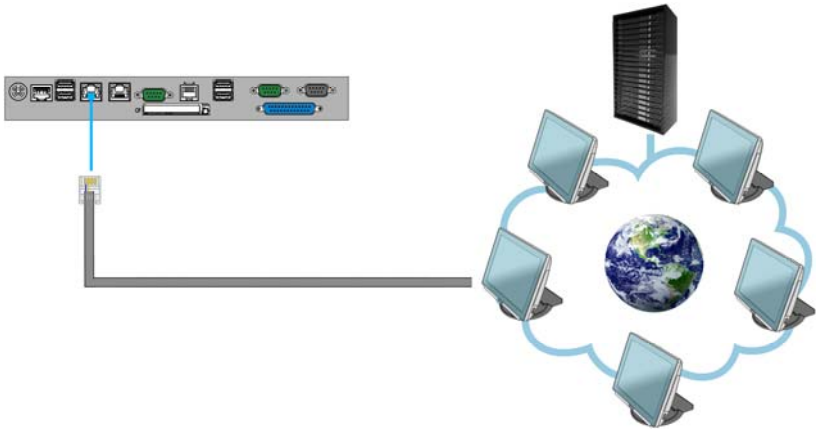
USB Mouse, USB Keyboard, USB ODD and other USB Devices

Connect your USB Mouse, USB Keyboard and USB ODD to **USB 1/2** or **UBS 3/4** ports on the back panel of the device.



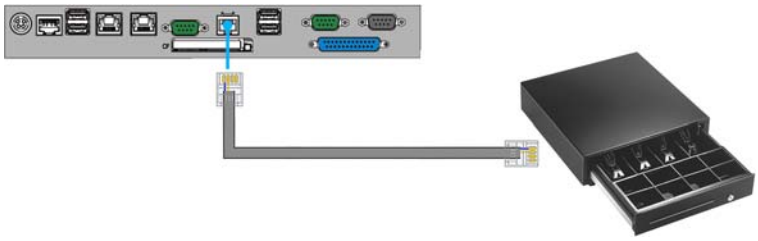
LAN Cable

Connect one end of RJ-45 LAN cable to the **LAN 1** or **LAN 2** port on the back panel of the device, another end to your internet device.



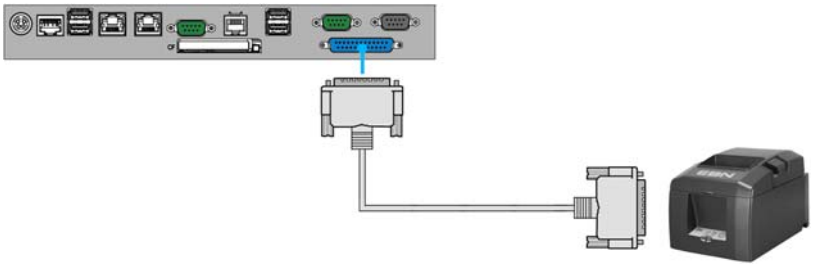
Cash Drawer

Connect one end of RJ-11 cable to the **Cash Drawer** port on the back panel of the device, another end to your cash drawer.



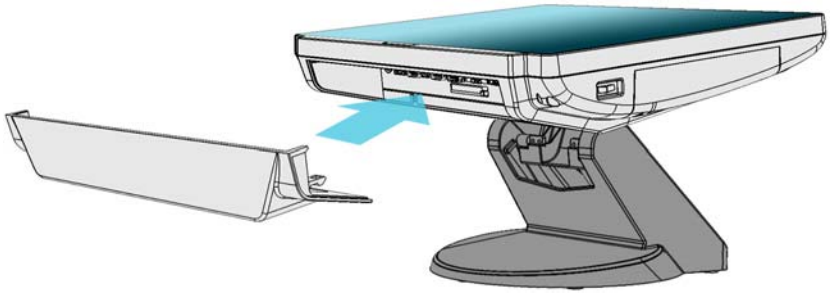
Printer

Connect the parallel cable of the printer to the LPT1 (parallel port) on the back panel of the device.



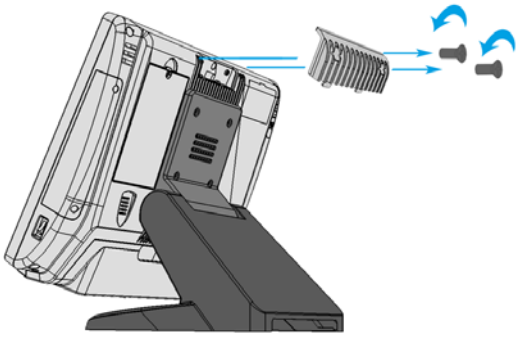
IO panel cover

Install the IO panel cover onto the device.

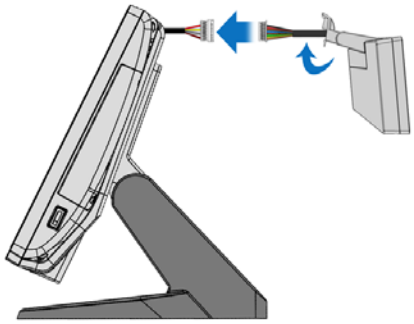


A. Hardware Installation

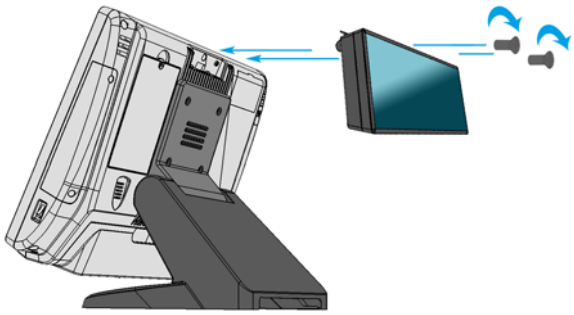
1. Remove the two screws fixing the customer display cover, Remove the VFD mounting hole cover from the device and pull out the connector from the device.



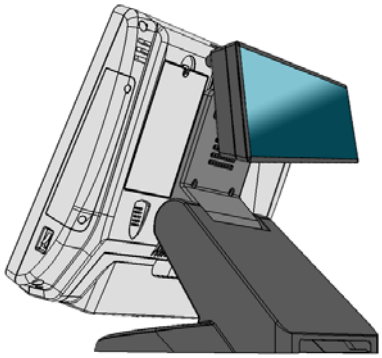
2. Adjust angle for hinge of the VFD, and then connect to the device as shown below.



3. Mount the VFD to the device and tighten the two M3 screws as shown below.



4. Finished.

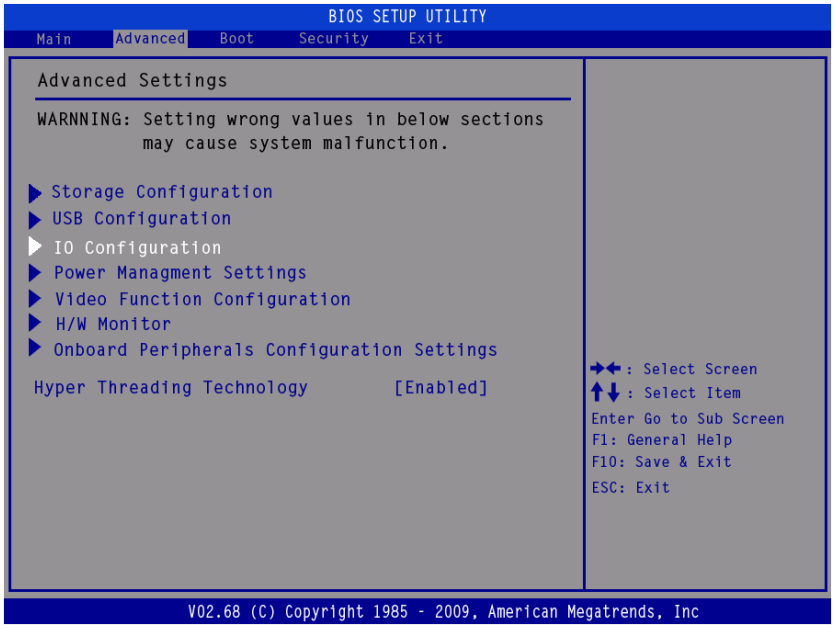


B. Power Supply Configuration

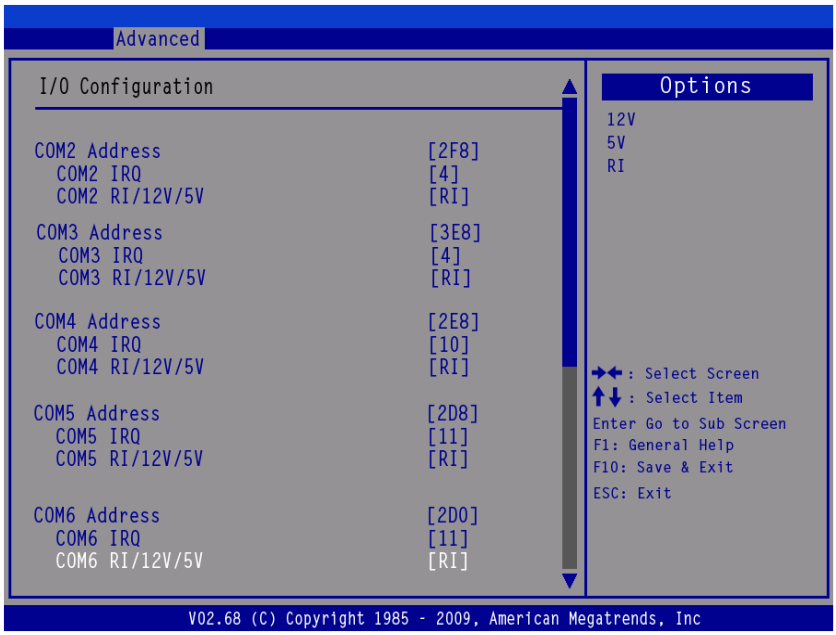
WARNING

Never enable the 12V without the customer display attached and be sure to disable the 12V before removing the customer display.

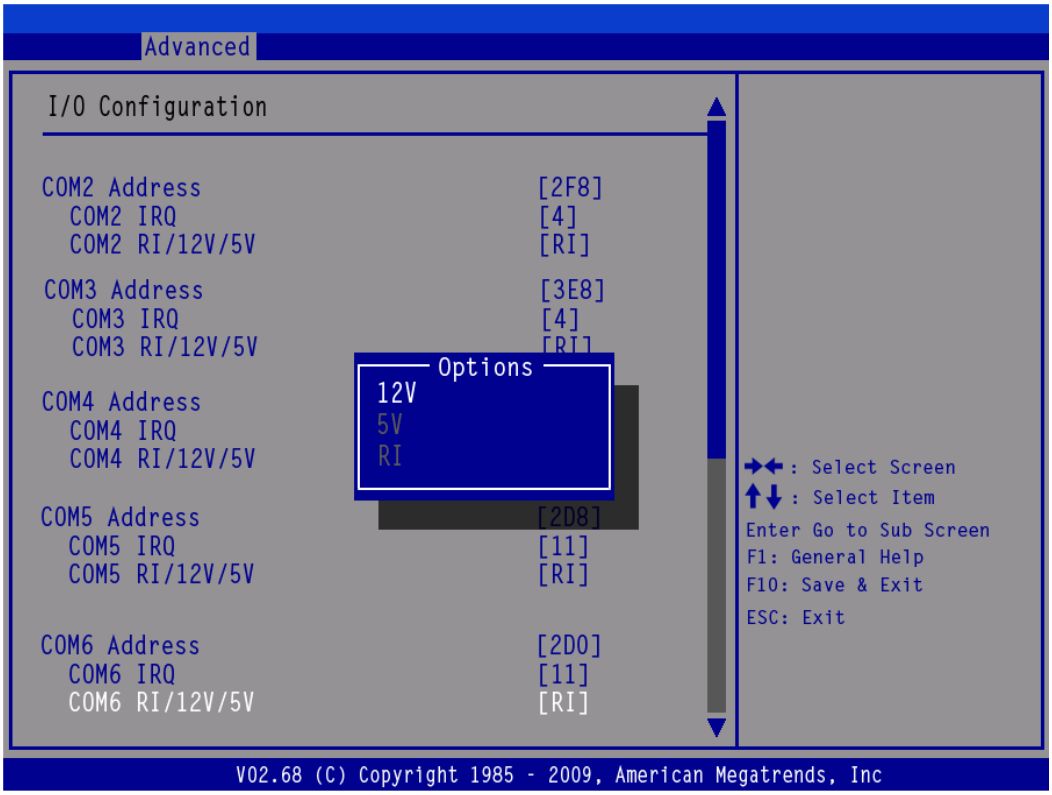
1. Power up the **X-POS855**and hit the **DEL** key to enter the BIOS. When the BIOS screen appears use the ➡ or⬅key on your external computer keyboard to select **Advanced**. Use the arrow keys of the external key board to select **IO Configuration**, and then press the **ENTER** key.



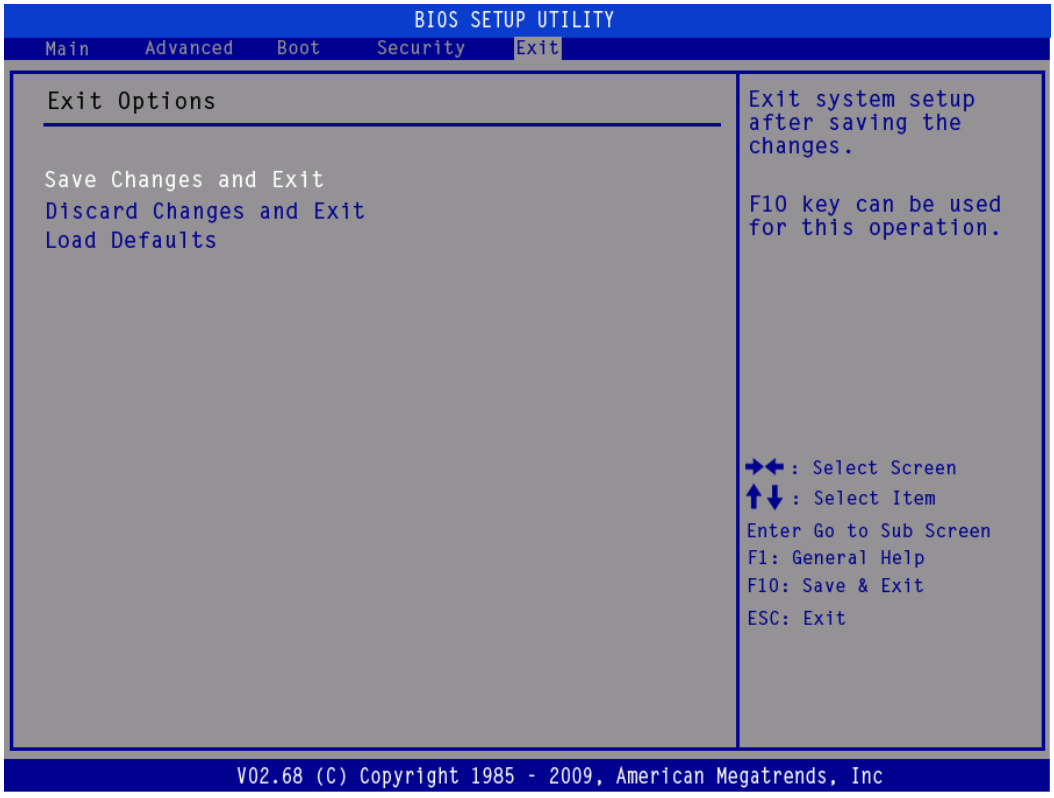
2. The screen below will appear. Use the ⬆ or⬇key to scroll the screen and highlight the**COM6RI/12V/15V,** and then press the **Enter** key.



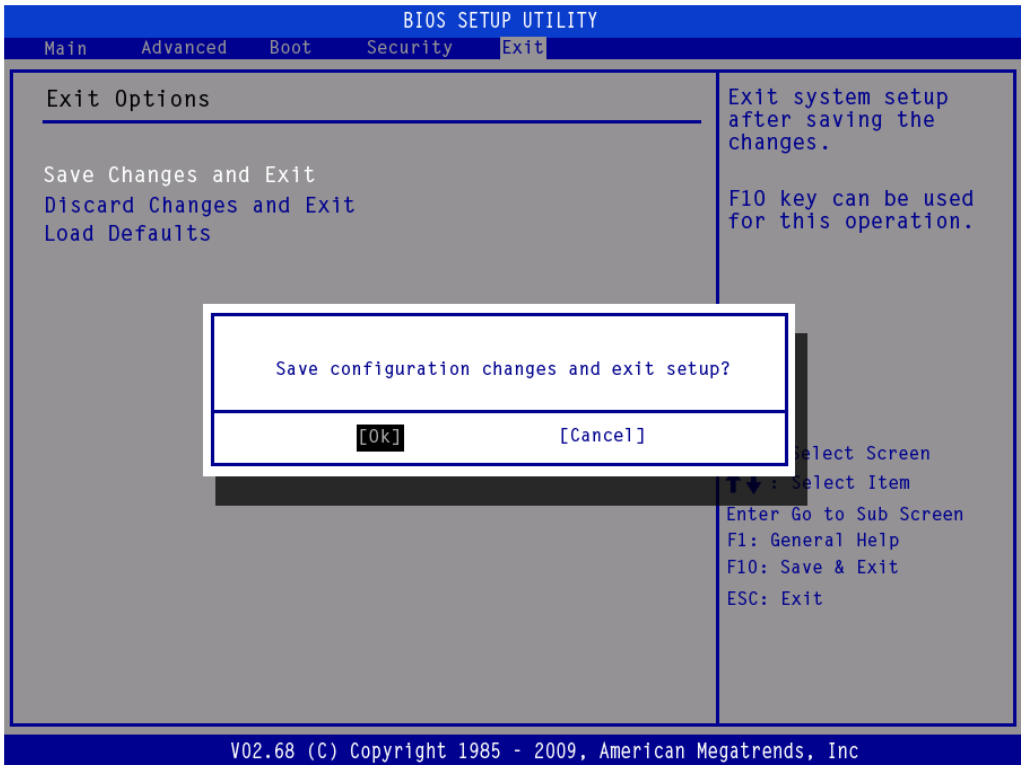
3. Highlight**12V**, and then press the **Enter** key.



4.Press the **ESC** key to return to the **BIOS SETUP UTILITY** screen of step 1, use the ➡ or⬅key on your external computer keyboard to select the **EXIT**.
Use the ⬆ or⬇key to highlight **Save Changes and Exit**.

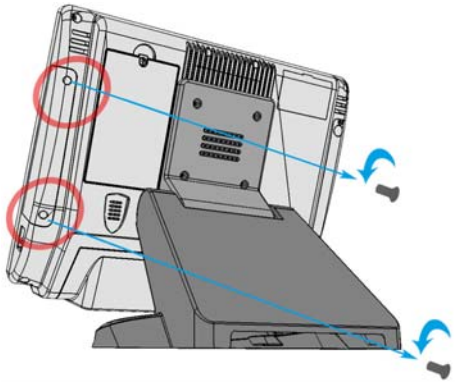

BIOS SETUP UTILITY
Main Advanced Boot Security Exit
Exit Options
Save Changes and Exit
Discard Changes and Exit
Load Defaults
Exit system setup after saving the changes.
F10 key can be used for this operation.
: Select Screen
: Select Item
Enter Go to Sub Screen
F1: General Help
F10: Save & Exit
ESC: Exit
V02.68 (C) Copyright 1985 - 2009, American Megatrends, Inc

5. Press the **Enter** key, use the ➡ or⬅key to highlight the **[Ok]**, press the **Enter** key again to save your voltage configuration and exit BIOS.

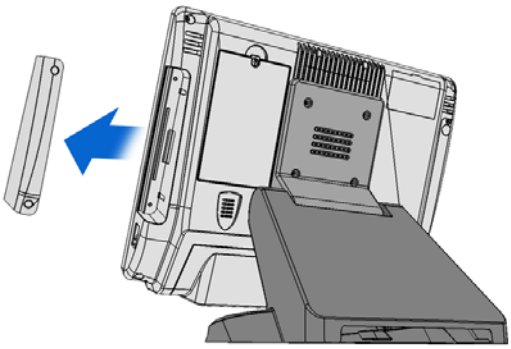

BIOS SETUP UTILITY
Main Advanced Boot Security Exit
Exit Options
Save Changes and Exit
Discard Changes and Exit
Load Defaults
Exit system setup after saving the changes.
F10 key can be used for this operation.
Save configuration changes and exit setup?
[Ok]
[Cancel]
Enter Go to Sub Screen
F1: General Help
F10: Save & Exit
ESC: Exit
V02.68 (C) Copyright 1985 - 2009, American Megatrends, Inc

MSR

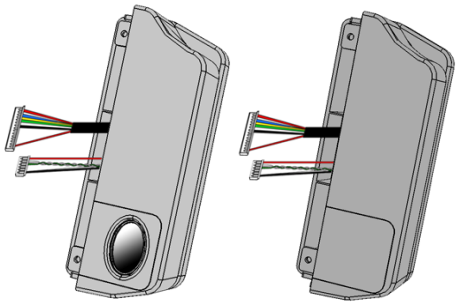
1. Remove the two screws fixing the MSR cover.



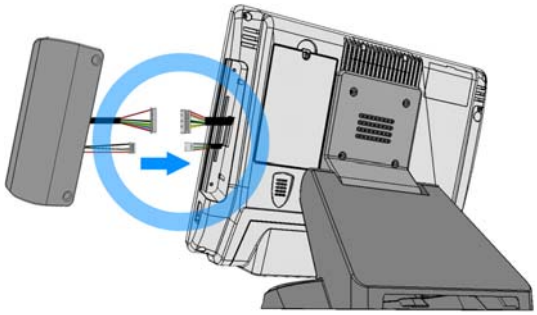
2. Remove the MSR cover from the device.



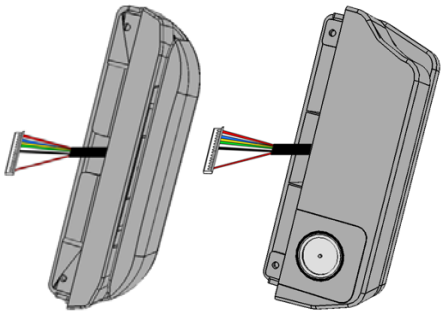
2. For MSR with fingerprint sensor or MSR with RFID sensor, connect the two connectors of the MSR assembly to the device.



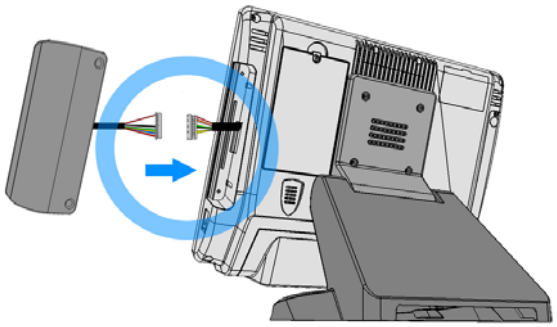
MSR with fingerprint sensorMSR with RFID sensor



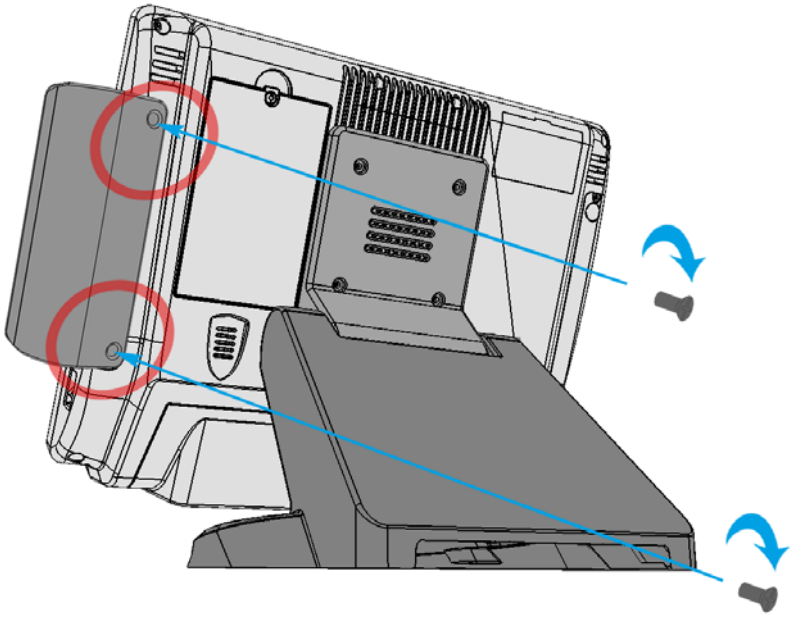
2. For MSR or MSR with iButton, connect the connector of the MSR assembly to the device.



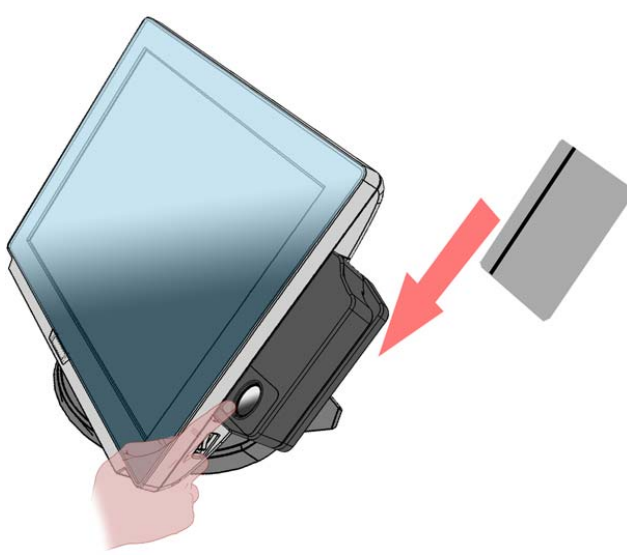
MSR MSR with iButton



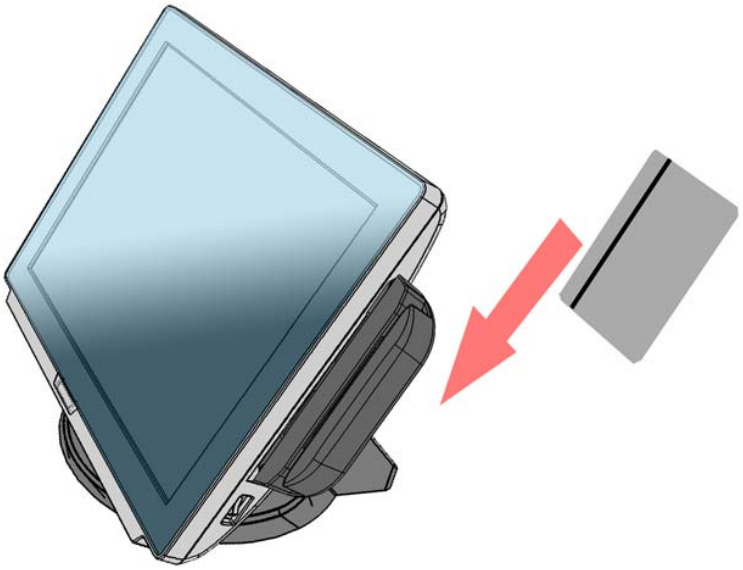
3. Tighten the two M3 screws to fix the MSR assembly as shown below.



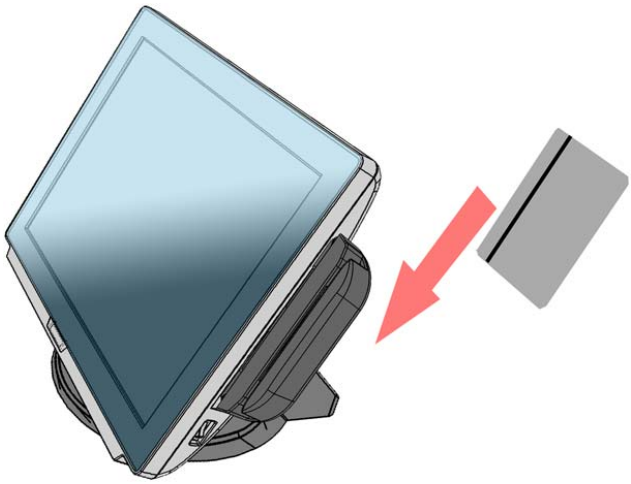
4. Finished.



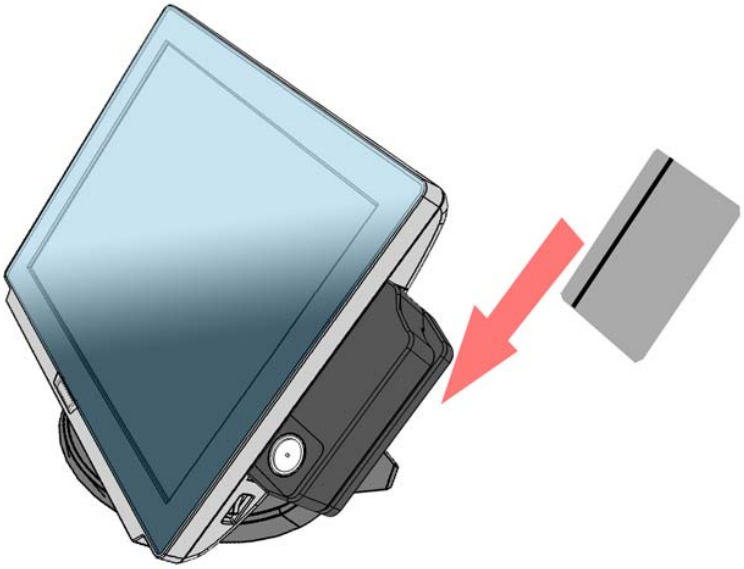
MSR with fingerprint sensor



MSR with RFID sensor



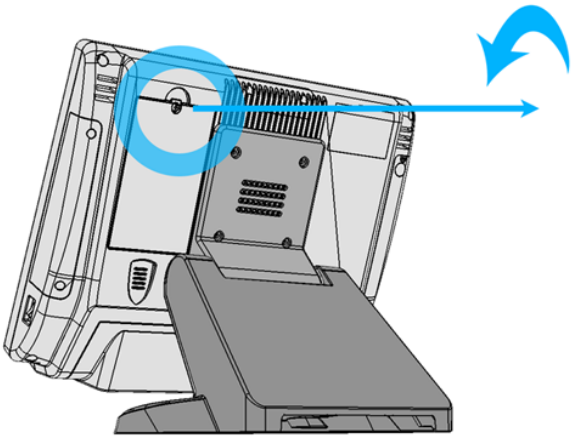
MSR



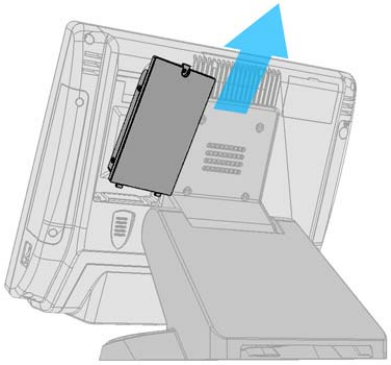
MSR withiButton

1.4. HDD Replacement

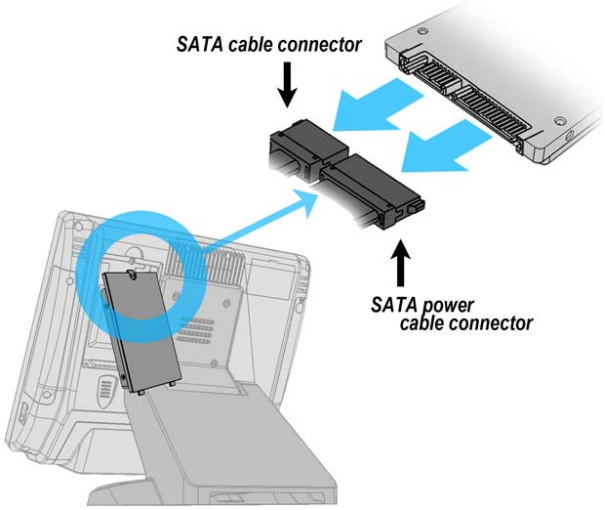
1. Loosen and remove the screws fixing the HDD tray.



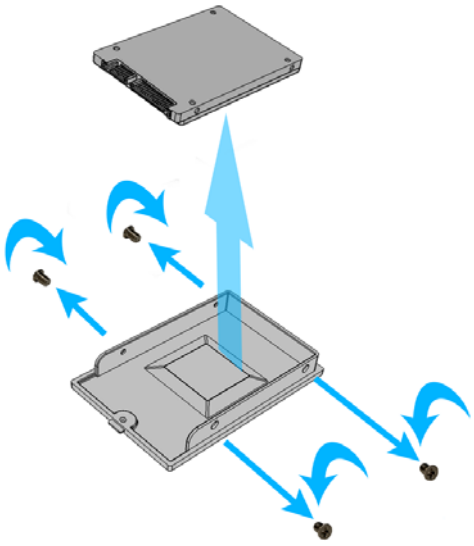
2. Pull out the HDD tray slightly and softly.



3. Disconnect the SATA cable connector and SATA power cable connector.



4. Loosen and remove the four screws fixing the HDD, and then remove the HDD from the HDD tray.

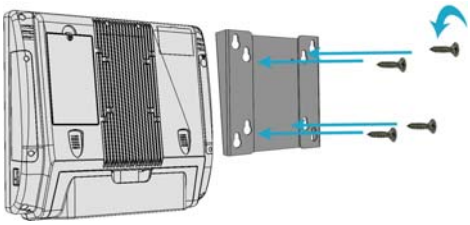


5. Install the new HDD onto the device in reverse order.

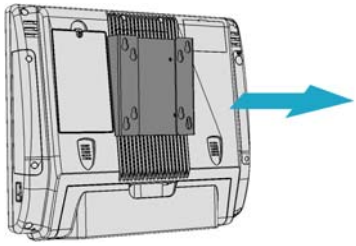
1.5. Adjust Angle

1.6. VESA Wall-mount Kit Installation (X-PCC855 only)

1. Install the device bracket.

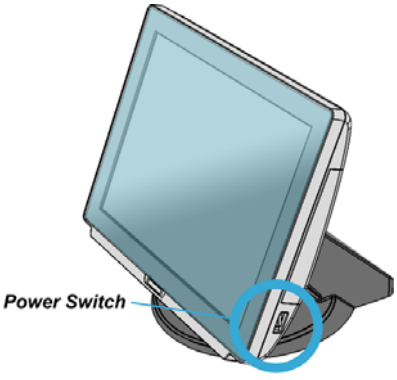


2. Put the X-PPC855 onto the wall bracket which is preinstalled on the wall..



1.7. Turn on the device

1. Make sure all peripherals are connected properly.
2. Press and hold the power switch until the power indicator on the front panel glows green.



2.

Basic Driver Installation

2.1. Before the installation

1. Connect an external USB CDROM to the USB port and insert the driver CD and turn on the device. The program Auto Runs and displays the **DRIVER BANK** screen.
2. Follow the on-screen instructions.

2.2. Chipset Software Installation

1. On the main screen, click "**X-POS855/X-PPC855 Series**".

2. Click **INTEL Chipset Driver**.

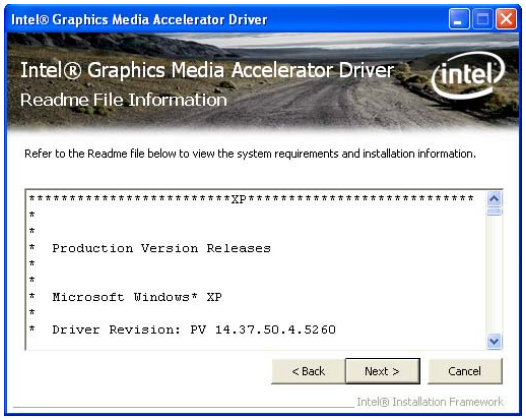
3. Click **Next**.

Intel® Chipset Device Software
Intel® Chipset Device Software
Welcome to the Setup Program
This setup program will install the Intel® Chipset Device Software onto this computer. It is strongly recommended that you exit all Windows® programs before continuing.
< Back
Next >
Cancel
Intel® Installation Framework

4. Read the License Agreement carefully and click **Yes**.

Intel® Chipset Device Software
Intel® Chipset Device Software
License Agreement
You must accept all of the terms of the license agreement in order to continue the setup program. Do you accept the terms?
INTEL SOFTWARE LICENSE AGREEMENT (OEM / IHV / ISV Distribution & Single User)
IMPORTANT - READ BEFORE COPYING, INSTALLING OR USING.
Do not use or load this software and any associated materials (collectively, the "Software") until you have carefully read the following terms and conditions. By loading or using the Software, you agree to the terms of this Agreement. If you do not wish to so agree, do not install or use the Software.
Please Also Note:
* If you are an Original Equipment Manufacturer (OEM), Independent Hardware Vendor (IHV), or Independent Software Vendor (ISV), this complete LICENSE AGREEMENT applies;
< Back
Yes
No
Intel® Installation Framework

5. Click **Next**.


Intel® Graphics Media Accelerator Driver
Intel® Graphics Media Accelerator Driver
Readme File Information
Refer to the Readme file below to view the system requirements and installation information.
**********XP**********
* Production Version Releases
* Microsoft Windows* XP
* Driver Revision: PV 14.37.50.4.5260
< Back
Next >
Cancel
Intel® Installation Framework

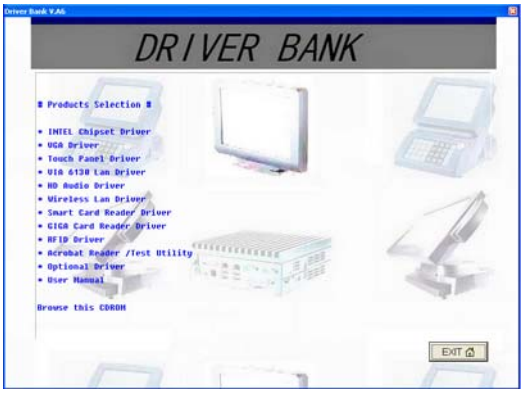
6. Click **Finish**.

Intel® Chipset Device Software
Intel® Chipset Device Software
Setup Is Complete
The setup program successfully installed the Intel® Chipset Device Software onto this computer. Click Finish to complete the setup process.
Finish
Intel® Installation Framework

2.3. VGA Driver Installation

1. On the main screen, click “**XPOS855/X-PPC855 Series**”.

2. Click **VGA Driver**.



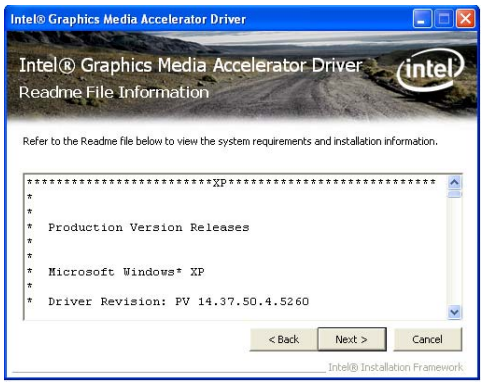
3. Click **VGA Driver for WINDOWS**.

4. Click **Next**.

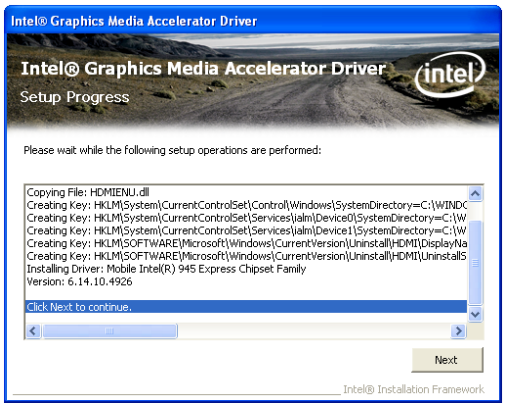
5.Read the ***License Agreement*** carefully and click **Yes**.

Intel® Chipset Device Software
Intel® Chipset Device Software
License Agreement
You must accept all of the terms of the license agreement in order to continue the setup program. Do you accept the terms?
INTEL SOFTWARE LICENSE AGREEMENT (OEM / IHV / ISV Distribution & Single User)
IMPORTANT - READ BEFORE COPYING, INSTALLING OR USING.
Do not use or load this software and any associated materials (collectively, the "Software") until you have carefully read the following terms and conditions. By loading or using the Software, you agree to the terms of this Agreement. If you do not wish to so agree, do not install or use the Software.
Please Also Note:
* If you are an Original Equipment Manufacturer (OEM), Independent Hardware Vendor (IHV), or Independent Software Vendor (ISV), this complete LICENSE AGREEMENT applies;
< Back
Yes
No
Intel® Installation Framework

6. Click **Next**.



7. Click **Next**.



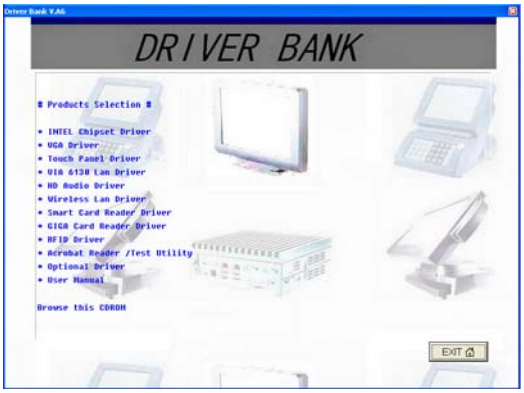
8. Select restart your computer right now or later, and then lick **Finish**.

Intel® Graphics Media Accelerator Driver
Intel® Graphics Media Accelerator Driver
Setup Is Complete
You must restart this computer for the changes to take effect. Would you like to restart the computer now?
Yes, I want to restart this computer now.
No, I will restart this computer later.
Click Finish, then remove any installation media from the drives.
Finish
Intel® Installation Framework

2.4. LAN Driver Installation

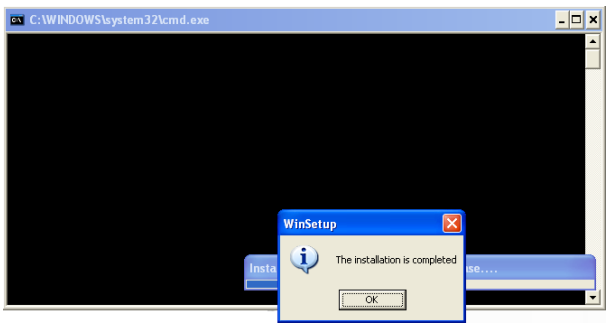
1. On the main screen, click “**X-POS855/X-PPC855 Series**”.

2. Click **VIA 6130 LAN Drive**.



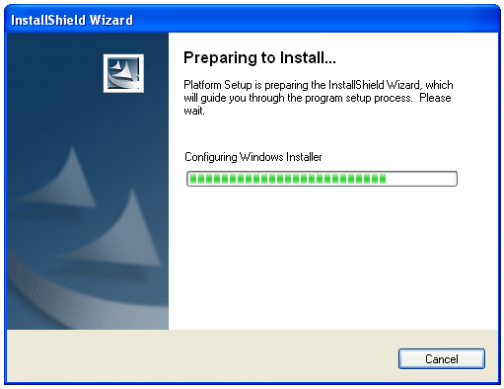
3. The driver will be installed automatically.

4. Click **OK** on the pop-up message box.



2.5. Audio Driver Installation

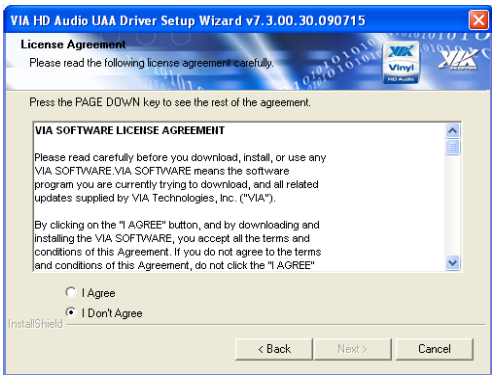
1. The driver is preparing to install.


InstallShield Wizard
Preparing to Install...
Platform Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Configuring Windows Installer
Cancel

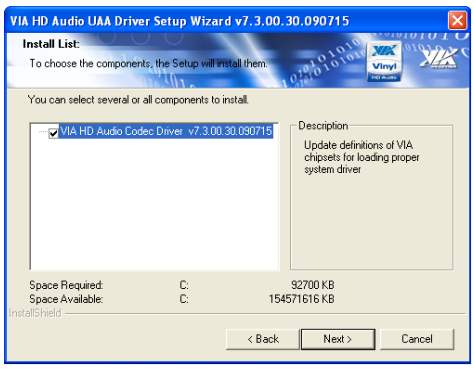
2. Click **Nex**t.

VIA HD Audio UAA Driver Setup Wizard v7.3.00.30.090715
Welcome to the Install Wizard for VIA HD Audio UAA Driver Setup Program
The Install Wizard will install VIA HD Audio UAA Driver Setup Program on your computer. To continue, click Next.
< Back
Next >
Cancel
U-Version:5.2.1.34

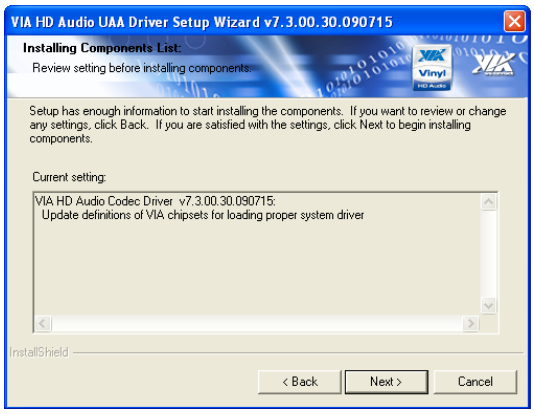
3. Select "**I Agree**" and click **Next**.


VIA HD Audio UAA Driver Setup Wizard v7.3.00.30.090715
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
VIA SOFTWARE LICENSE AGREEMENT
Please read carefully before you download, install, or use any VIA SOFTWARE.VIA SOFTWARE means the software program you are currently trying to download, and all related updates supplied by VIA Technologies, Inc. ("VIA").
By clicking on the "I AGREE" button, and by downloading and installing the VIA SOFTWARE, you accept all the terms and conditions of this Agreement. If you do not agree to the terms and conditions of this Agreement, do not click the "I AGREE"
I Agree
I Don't Agree
InstallShield
< Back
Next >
Cancel

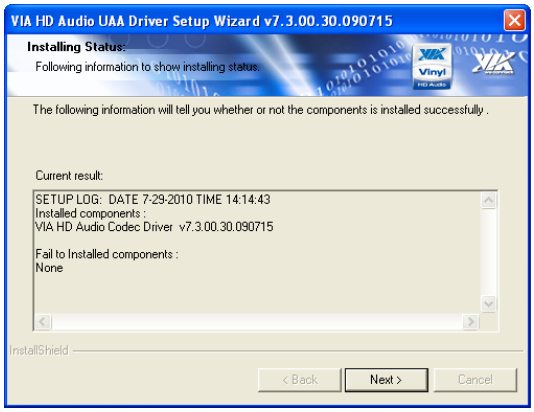
4. Check "**VIA HD Audio Codec Drive v7.300 30.090715**" box, and then click **Next**.


VIA HD Audio UAA Driver Setup Wizard v7.3.00.30.090715
Install List:
To choose the components, the Setup will install them.
You can select several or all components to install.
VIA HD Audio Codec Driver v7.3.00.30.090715
Description
Update definitions of VIA chipsets for loading proper system driver
Space Required: C: 92700 KB
Space Available: C: 154571616 KB
InstallShield
< Back
Next >
Cancel

5. Click **Next**.


VIA HD Audio UAA Driver Setup Wizard v7.3.00.30.090715
Installing Components List:
Review setting before installing components.
Setup has enough information to start installing the components. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin installing components.
Current setting:
VIA HD Audio Codec Driver v7.3.00.30.090715:
Update definitions of VIA chipsets for loading proper system driver
InstallShield
< Back
Next >
Cancel

6. Click **Next**.


VIA HD Audio UAA Driver Setup Wizard v7.3.00.30.090715
Installing Status:
Following information to show installing status.
The following information will tell you whether or not the components is installed successfully .
Current result:
SETUP LOG: DATE 7-29-2010 TIME 14:14:43
Installed components :
VIA HD Audio Codec Driver v7.3.00.30.090715
Fail to Installed components :
None
InstallShield
< Back
Next >
Cancel

7. Select restart your computer right now or later, and then lick **Finish**.

VIA HD Audio UAA Driver Setup Wizard v7.3.00.30.090715
Install Wizard Completed.
The Install Wizard has successfully installed VIA HD Audio UAA Driver Setup Program. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

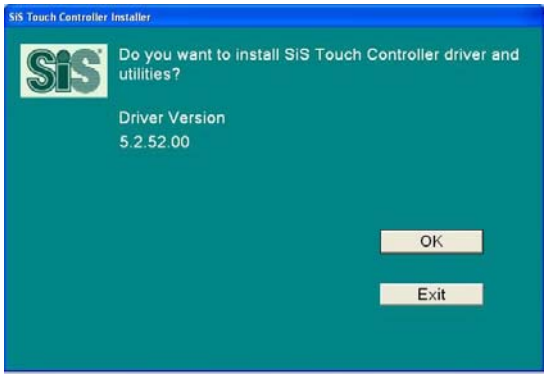
2.6. Touch Driver Installation (Only for Windows XP)

Single touch for Windows XP

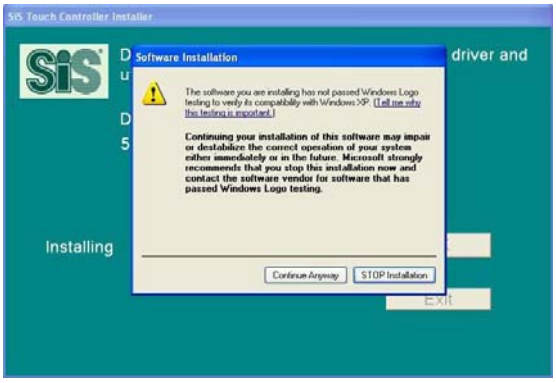
1. On the main screen, click “X-POS855/X-PPC855 Series”.

2. Click Touch Panel Driver.

3. Click OK.



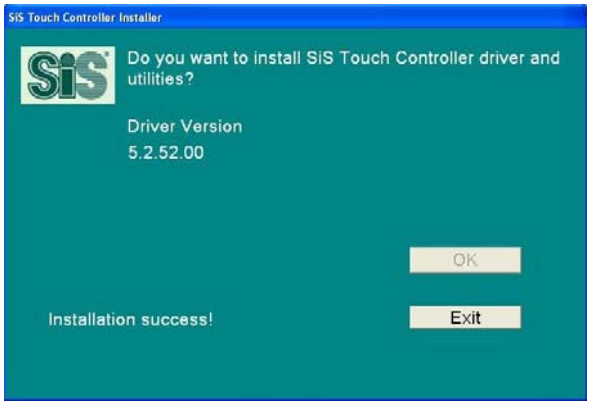
4. Software Installation - Click Continue Anyway.


SiS Touch Controller Installer
driver and
Software Installation
The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation
Installing
Exit

5. Hardware Installation - Click Continue Anyway.

SiS Touch Controller Installer
Do you want to install SiS Touch Controller driver and utilities?
Driver Versic
5.2.52.00
Installing
Hardware Installation
The software you are installing for this hardware:
SiS Panel Minidriver on USB
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

6. Click Exit.



3.

I/O Definition

Please refer the detailed technical information about all I/O ports as followings.

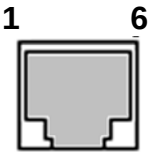
3.1. Power Connector

PIN	Description	PIN	Description
1	+19V	3	GROUND
2	+19V	4	GROUND

3.2. Serial Port

COM Port 1/2/3			
PIN	Description	PIN	Description
1	DCD	6	DSR
2	RXD	7	RTS
3	TXD	8	CTS
4	DTR	9	RI / 5V /12V
5	GND	10	NC

3.3. Cash Drawer



Connector

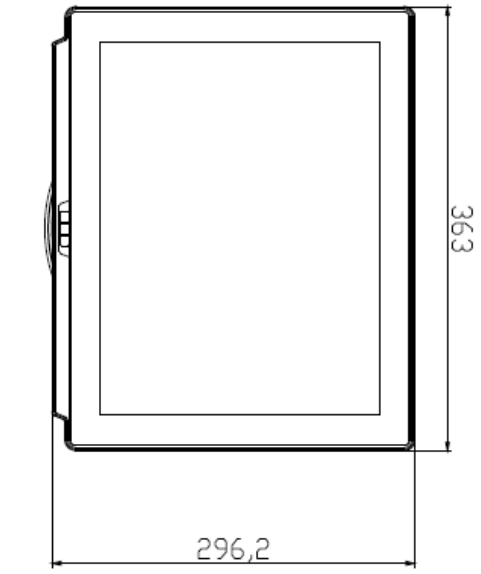
PIN	Description	PIN	Description
1	GND	4	VCC
2	D_OUT	5	NC
3	D_IN	6	GND

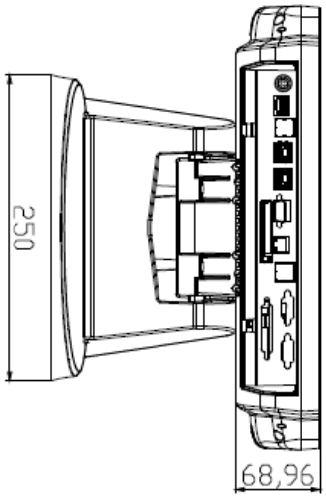
Cash Drawer Control

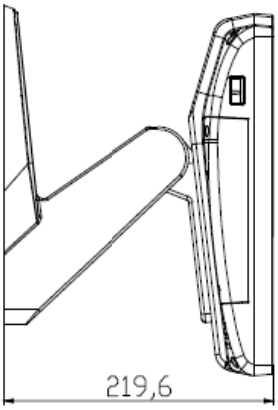
Status	Address	Value
Open	280H	Bit 4 = 0
Close	280H	Bit 4 = 1
Read Status	281H	Bit 0 = 0/1

4.

Dimension







5.

Specification

Main Board	
CPU	Intel® Atom™ Processor D525
Chipset	Intel® ICH8-M
System Memory	1 x 204 Pin DDR3 SO-DIMM Socket, up to 4GB
Thermal Solution	Fan-less
OS	Windows® XP/ XPe/ WES, WEPOS, POSReady, Windows®7,Linux*
Display	
TFT LCD Size	15”
Brightness	250 nits
Resolution	1024 x 768
Touch Screen	Projected Capacitive multi-touch
Tilt Angle	0°~90°
Storage Device	
DOM	1 x IDE, 2 x SATA
HDD	1 x 2.5" HDD removable device SATA
Compact Flash	1 x slot compact flash type II
I/O Ports	
Serial	6 x RS-232 Pin9 ,w/ RI/5V/12V Selectable by BIOS COM 1 : RS-232/422/485, DB-9 COM 2 : RS232 , RJ-50 10-pin,with COM cable COM 3 : RS232 , DB-9 COM 4 : RS232 , Internal pin header COM 5 : RS232 , Internal 15-Pin header with PS/2 COM 6 : RS232 , Internal pin header for Customer Display
Parallel	1 x DB25
USB	4 x USB 2.0
LAN	2 x Gigabit Ethernet by RJ-45 , Support Wake on LAN
Cash Drawer	1 x RJ11 (24VDC)
Audio	2W Speaker x 2
Expansion	1 x Mini PCIe
Others	
Wall mount	Support VESA Mount
Power Input	External adapter,90W, 19VDC input
Communication	Wireless LAN module
Color	White
Material	Aluminum

EMC& Safety Compliance	FCC / CE / VCCI
Front Panel Protection	IP66 compliance
Back Cover Protection	IP41 compliance
Weight	6.43 Kg
Dimension	363W x 296.2D x 219.6H (mm)
Operation Temperature	0°C ~ 35°C
Storage Temperature	-20°C ~ 60°C
Storage Humidity	20 – 85% RH, non-condensing

* Please contact supplier for detail information.